

CLAIMS

1. A central vacuum cleaner including a suction hose (22) and a central unit having a motor, a fan, a dust container (15), a filter and a suction joint (7) for attaching the suction hose either directly or by means of a suction piping, and an exhaust joint (20) for directing the air flow out of the central unit, characterised in that the central unit includes an operating unit (1) separate from the central unit, the operating unit having

- adaptors for attaching the central unit (2) to the operating unit,
- an exhaust junction (3) for connecting the exhaust joint (20) of the central unit to the operating unit,
- an additional filter (4) for filtering the air flow coming through the exhaust joint and exhaust junction, as well as
- an exhaust port (5) for directing the air flow that travelled through the additional filter into the air space surrounding the operating unit.

2. The central vacuum cleaner according to claim 1, characterised in that the operating unit (1) includes a suction junction (6) for connecting the suction joint (7) of the central unit (2) to the operating unit.

3. The central vacuum cleaner according to claim 2, characterised in that the operating unit (1) includes a suction box (8) in connection with the suction junction (6), to which the suction hose (22) can be attached.

4. The central vacuum cleaner according to claim 3, characterised in that the suction box (8) of the operating (1) unit includes a switch where the central unit can be started and switched off.

5 5. The central vacuum cleaner according to claim 1, characterised in that the operating unit (1) includes a frame component having suspension means (10) for mounting the operating unit on the wall.

6. The central vacuum cleaner according to claim 1, characterised in that the adaptors are suspension elements by means of which the central unit is attached to the operating unit.

10 7. The central vacuum cleaner according to claim 1, characterised in that the adaptors are supporting elements such as supporting surfaces by means of which the central unit is supported on the operating unit.

15 8. A central unit of a central vacuum cleaner having a motor with fans, a dust container (15), as well as an inlet port (7) and an outlet port (20) for directing the air flow through the central unit, characterised in that the dust container
20 (15), having an openable cover (13), and the motors with the fans are adapted side by side in the direction of flow of the air flows in such a manner that the cover forms a substantial part of the air flow channel between the dust container and the motor.

25 9. The central unit according to claim 8, characterised in that the cover (13) extends into the area of both the dust container (15) and the motor, covering substantially one side of the central unit.

30 10. The central unit according to claim 8, characterised in that the inner surface of the cover (13) includes guide flanges (17) for directing the air flow.

35 11. The central unit according to claim 8, characterised in that the suction and blast air flows of the motor are substantially axial and perpendicular to the cover (13).

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12. The central unit according to claim 8, characterised in that the inlet port (7) and the outlet port (20) are disposed substantially on the cover's opposite side of the central unit.

5 13. The central unit according to claim 8, characterised in that the main direction of the air flow of the dust container (15) is substantially parallel but antiparallel to the main direction of the air flow travelling through the motor and the
10 fan.

14. The use of a central unit according to any one of claims 8 to 13 in conjunction with the central vacuum cleaner according to any one of claims 1
15 to 7.